

Contents

Abstracted/Indexed in/Cited in: API Abstracts; Chemical Engineering and Biotechnology Abstracts; Catalysts & Catalysis; Chem Inform; Chemical Abstracts; Current Contents: Engineering; Current Contents: Engineering Index; Current Contents: Physical, Chemical & Earth Sciences; Engineering, Technology & Applied Sciences; Metals Abstracts; Research Alert; SCISEARCH; Science Citation Index; Theoretical Chemical Engineering Abstracts. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®

New insights into sulfur poisoning on a vanadia SCR catalyst under simulated diesel engine operating conditions Y. Xi, N.A. Ottinger and Z.G. Liu (USA)	1
Hydrotreating activity of bulk NiB alloy in model reaction of hydrodesulfurization 4,6-dimethyldibenzothiophene M. Lewandowski (Poland)	10
Structure-reactivity relationship in catalytic hydrogenation of heterocyclic compounds over ruthenium black-Part A: Effect of substitution of pyrrole ring and side chain in <i>N</i> -heterocycles K.M. Eblagon and S.C.Edman Tsang (UK)	22
Hydrogen production from formic acid vapour over a Pd/C catalyst promoted by potassium salts: Evidence for participation of buffer-like solution in the pores of the catalyst L. Jia, D.A. Bulushev, S. Beloshapkin and J.R.H. Ross (Ireland)	35
Dramatic visible activity in phenol degradation of TCNQ@TiO ₂ photocatalyst with core-shell structure W. Jiang, M. Zhang, J. Wang, Y. Liu and Y. Zhu (PR China)	44
Aging of the photocatalytic TiO ₂ thin films modified by Ag and Pt P. Hájková, J. Matoušek and P. Antoš (Czech Republic)	51
Novel high surface area stainless steel wire mesh supported Ni _{0.7} Zn _{0.3} O solid solution prepared by room temperature sacrificial template accelerated hydrolysis. Application in the production of hydrogen from methanol T.T. Vu, T. Valdés-Solís and G. Marbán (Spain)	57
Fluidizable Ni/La ₂ O ₃ -γ-Al ₂ O ₃ catalyst for steam gasification of a cellulosic biomass surrogate J. Mazumder and H. de Lasa (Canada)	67
Oxidation of organosulfur compounds using an iron(III) porphyrin complex: An environmentally safe and efficient approach S.M.G. Pires, M.M.Q. Simões, I.C.M.S. Santos, S.L.H. Rebelo, F.A.A. Paz, M.G.P.M.S. Neves and J.A.S. Cavaleiro (Portugal)	80
Synthesis and characterization of g-C ₃ N ₄ /Bi ₂ MoO ₆ heterojunctions with enhanced visible light photocatalytic activity H. Li, J. Liu, W. Hou, N. Du, R. Zhang and X. Tao (PR China)	89
Au deposited BiOCl with different facets: On determination of the facet-induced transfer preference of charge carriers and the different plasmonic activity H. Lin, L. Ding, Z. Pei, Y. Zhou, J. Long, W. Deng and X. Wang (PR China)	98
Formation of genotoxic quinones during bisphenol A degradation by TiO ₂ photocatalysis and UV photolysis: A comparative study A.O. Kondrakov, A.N. Ignatev, F.H. Frimmel, S. Bräse, H. Horn and A.I. Revelsky (Germany, Russia)	106
High catalytic activity of Mo-Zn-Al-O catalyst for dye degradation: Effect of pH in the impregnation process Y. Li, Y. Xu, X.-y. Chen, F. Ge and R.-I. Zhu (PR China)	115
Esterification of a waste produced from the palm oil industry over 12-tungstophosphoric acid supported on kaolin waste and mesoporous materials L.H.O. Pires, A.N. de Oliveira, O.V. Monteiro Jr., R.S. Angélica, C.E.F. da Costa, J.R. Zamian, L.A.S. do Nascimento and G.N.R. Filho (Brasil)	122
The oxidation of trichloroethylene over different mixed oxides derived from hydrotalcites N. Blanch-Raga, A.E. Palomares, J. Martínez-Triguero, M. Puche, G. Fetter and P. Bosch (Spain, Mexico)	129

(Contents continued on bm II)

ScienceDirect

Full text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com

